

CLAIMS

SUB A1

1. A color display device, comprising:
a colored light generation unit for repetitively generating a plurality of colored
lights in a time sequence with a predetermined frequency; and
an image generation unit for processing said plurality of colored lights, so as to
generate an image corresponding to each of said plurality of colored lights generated in a
time sequence, wherein said predetermined frequency is 180 Hz.
2. The color display device according to claim 1, wherein said predetermined
frequency is 250 Hz.
3. The color display device according to claim 1, wherein said predetermined
frequency is 300 Hz.
4. The color display device according to any of claims 1 to 3, wherein said colored
light generation unit comprises a light source, and a color filter for generating said
plurality of colored lights from light coming from said light source.
5. The color display device according to any of claims 1 to 3, wherein said colored
light generation unit comprises a plurality of light sources for emitting colored lights
different from each other,
wherein said plurality of light sources turn on in a time sequence.
6. The color display device according to any of claims 1 to 5, wherein said image

generation unit is a reflected type electro-optical device.

7. The color display device according to claim 6, wherein said electro-optical device is a liquid crystal device.

8. The color display device according to claim 6, wherein said electro-optical device is a digital micro-mirror device.

9. The color display device according to any of claims 1 to 5, wherein said image generation unit comprises a transparent-type electro-optical device.

10. The color display device according to claim 1, further comprising a lens for projecting said image.

11. A color display method, comprising:
a colored light generation step for repetitively generating a plurality of colored lights in a time sequence with a predetermined frequency; and
an image generation step for processing said plurality of colored lights, so as to generate an image corresponding to each of said plurality of colored lights is generated in a time sequence, wherein said predetermined frequency is 180 Hz.

12. The color display method according to claim 11, wherein said predetermined frequency is 250 Hz.

13. The color display method according to claim 11, wherein said predetermined frequency is 300 Hz.

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